

AMENDMENTS TO THE SPECIFICATION:

Please replace the paragraph beginning at page 12, line 7, with the following rewritten paragraph:

--FIG. 2 schematically shows a top plan view of a bipolar biofuel cell according to the invention. In this Figure, parts having the same function are hatched in the same manner. Several anodes (8) and cathodes (7) are interconnected by means of an electrically conductive bipolar plate (2). At the extremities of the cell, positive end plates (6) and negative end plates (5) are located, across which the total voltage (for instance approximately 2 volt) and current can be drawn. The anaerobic compartments (3) and aerobic compartments (4) are separated by means of porous, non-conductive partition walls (1), for instance of reticulated plastic, such as polyurethane PUR) foam. Partitions (9) are present, preferably from the same material as the porous, electronically nonconductive, non-ion-selective partition wall, which partitions, are placed at least substantially transverse to said electrodes. The porous wall material (for instance PUR-foam) contributes to a firm, robust construction of the bipolar biofuel cell. In the porous wall material channels are provided via which the oxidizer (preferably oxygen) and biomass suspension (for instance manure) can be efficiently led to the cathodes and anodes, respectively. If desired, the channels in the PUR-foam can be arranged in a counter current, cross current or a co-current configuration. The

voltage of the bipolar biofuel cell can be increased at will by increasing the number of bipolar cells. --